**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Supplemental Math Instruction – Mrs. Britton**

**Simplifying Radicals (A1.1.1.1)**

**1.** Simplify.

|  |  |  |
| --- | --- | --- |
|  | **A.** |  |

|  |  |  |
| --- | --- | --- |
|  | **B.** |  |

|  |  |  |
| --- | --- | --- |
|  | **C.** |  |

|  |  |  |
| --- | --- | --- |
|  | **D.** |  |

**2.** Simplify.

|  |  |  |
| --- | --- | --- |
|  | **A.** |  |

|  |  |  |
| --- | --- | --- |
|  | **B.** |  |

|  |  |  |
| --- | --- | --- |
|  | **C.** |  |

|  |  |  |
| --- | --- | --- |
|  | **D.** |  |

**3.** Simplify.

|  |  |  |
| --- | --- | --- |
|  | **A.** |  |

|  |  |  |
| --- | --- | --- |
|  | **B.** |  |

|  |  |  |
| --- | --- | --- |
|  | **C.** |  |

|  |  |  |
| --- | --- | --- |
|  | **D.** |  |

**4.** Simplify.

|  |  |  |
| --- | --- | --- |
|  | **A.** |  |

|  |  |  |
| --- | --- | --- |
|  | **B.** |  |

|  |  |  |
| --- | --- | --- |
|  | **C.** |  |

|  |  |  |
| --- | --- | --- |
|  | **D.** |  |
|  |  |  |

**5.** Simplify.

|  |  |  |
| --- | --- | --- |
|  | **A.** |  |

|  |  |  |
| --- | --- | --- |
|  | **B.** |  |

|  |  |  |
| --- | --- | --- |
|  | **C.** |  |

|  |  |  |
| --- | --- | --- |
|  | **D.** |  |
|  |  |  |

**6.** Simplify.

|  |  |  |
| --- | --- | --- |
|  | **A.** |  |

|  |  |  |
| --- | --- | --- |
|  | **B.** |  |

|  |  |  |
| --- | --- | --- |
|  | **C.** |  |

|  |  |  |
| --- | --- | --- |
|  | **D.** |  |

**7.** Simplify.

|  |  |  |
| --- | --- | --- |
|  | **A.** |  |

|  |  |  |
| --- | --- | --- |
|  | **B.** |  |

|  |  |  |
| --- | --- | --- |
|  | **C.** |  |

|  |  |  |
| --- | --- | --- |
|  | **D.** |  |

**8.** Simplify.

|  |  |  |
| --- | --- | --- |
|  | **A.** |  |

|  |  |  |
| --- | --- | --- |
|  | **B.** |  |

|  |  |  |
| --- | --- | --- |
|  | **C.** |  |

|  |  |  |
| --- | --- | --- |
|  | **D.** |  |

**9.** Simplify.

|  |  |  |
| --- | --- | --- |
|  | **A.** |  |

|  |  |  |
| --- | --- | --- |
|  | **B.** |  |

|  |  |  |
| --- | --- | --- |
|  | **C.** |  |

|  |  |  |
| --- | --- | --- |
|  | **D.** |  |

**10.** Simplify.

|  |  |  |
| --- | --- | --- |
|  | **A.** |  |

|  |  |  |
| --- | --- | --- |
|  | **B.** |  |

|  |  |  |
| --- | --- | --- |
|  | **C.** |  |

|  |  |  |
| --- | --- | --- |
|  | **D.** |  |
|  |  |  |

**11.** Simplify.

|  |  |  |
| --- | --- | --- |
|  | **A.** |  |

|  |  |  |
| --- | --- | --- |
|  | **B.** |  |

|  |  |  |
| --- | --- | --- |
|  | **C.** |  |

|  |  |  |
| --- | --- | --- |
|  | **D.** |  |
|  |  |  |

**12.** Simplify.

|  |  |  |
| --- | --- | --- |
|  | **A.** |  |

|  |  |  |
| --- | --- | --- |
|  | **B.** |  |

|  |  |  |
| --- | --- | --- |
|  | **C.** |  |

|  |  |  |
| --- | --- | --- |
|  | **D.** |  |
|  |  |  |

**13.**

Which value of *x* makes the expression above equivalent to ?

|  |  |  |
| --- | --- | --- |
|  | **A.** | 50 |

|  |  |  |
| --- | --- | --- |
|  | **B.** | 625 |

|  |  |  |
| --- | --- | --- |
|  | **C.** | 25 |

|  |  |  |
| --- | --- | --- |
|  | **D.** | 1,025 |

**14.**

Which value of *x* makes the expression above equivalent to ?

|  |  |  |
| --- | --- | --- |
|  | **A.** | 784 |

|  |  |  |
| --- | --- | --- |
|  | **B.** | 49 |

|  |  |  |
| --- | --- | --- |
|  | **C.** | 196 |

|  |  |  |
| --- | --- | --- |
|  | **D.** | 7 |

**15.**

The expression above should be further simplified for which value of *x*?

|  |  |  |
| --- | --- | --- |
|  | **A.** | 155 |

|  |  |  |
| --- | --- | --- |
|  | **B.** | 61 |

|  |  |  |
| --- | --- | --- |
|  | **C.** | 62 |

|  |  |  |
| --- | --- | --- |
|  | **D.** | 3 |
|  |  |  |

**16.**

Which value of *x* makes the expression above equivalent to ?

|  |  |  |
| --- | --- | --- |
|  | **A.** | 112 |

|  |  |  |
| --- | --- | --- |
|  | **B.** | 16 |

|  |  |  |
| --- | --- | --- |
|  | **C.** | 4 |

|  |  |  |
| --- | --- | --- |
|  | **D.** | 784 |